

## Climate Watch (Serial No.: 20220207–06)

Initial/Updated/Final

Topic: **temperature** and **precipitation**

Organization issuing SEEVCCC

the statement:

Issued/ Amended / 07-2-2022 16:00 P.M.  
Cancelled

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Valid from – to: 7-2-2022 – 30-4-2022 Next amendment: 13-2-2022

Region of concern: **Balkans and Turkey**

**„Within the following two weeks (7 to 13 February 2022) below normal mean weekly air temperature is expected in central Turkey, South Caucasus and Cyprus, with anomaly in the range from -3°C up to -6°C, with up to 90% probability for exceeding lower tercile in central Turkey. Above average air temperature is expected in most of the region, with anomaly reaching up to +6°C and up to 90% probability for exceeding upper tercile. Precipitation surplus is expected in northern and southernmost of Turkey with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for the parts of northwestern, eastern and southern Balkans, as well as along Adriatic coast, with around 80% probability for exceeding lower tercile. “**

### Monitoring

During the period from 30 January to 6 February 2022, weekly precipitation sums were below 25 mm in most parts of the SEE region, around 50 mm of precipitation was recorded in Crete, Cyprus and some parts of the southern Balkans, whilst precipitation totals exceeded 150 mm at some locations in Georgia, and western Turkey.

## **Outlook**

Within the first week (7 to 13 February 2022), ECMWF monthly forecast predicts below normal mean weekly air temperature in central Turkey, South Caucasus and Cyprus, with anomaly in the range from  $-3^{\circ}\text{C}$  up to  $-6^{\circ}\text{C}$ , with up to 90% probability for exceeding lower tercile in central Turkey. Above average air temperature is expected in the most of the region, with anomaly reaching up to  $+6^{\circ}\text{C}$  and up to 90% probability for exceeding upper tercile. Precipitation surplus is expected in northern and southernmost of Turkey with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for the parts of northwestern, eastern and southern Balkans, as well as along Adriatic coast, with around 80% probability for exceeding lower tercile.

During the second week (14 to 21 February 2022), below average air temperature is expected in Turkey and south Balkans, with anomaly up to  $-6^{\circ}\text{C}$  and with over 90% probability for exceeding lower tercile in central Turkey. Precipitation deficit is expected in most of the region, with up to 90% probability for exceeding lower tercile.

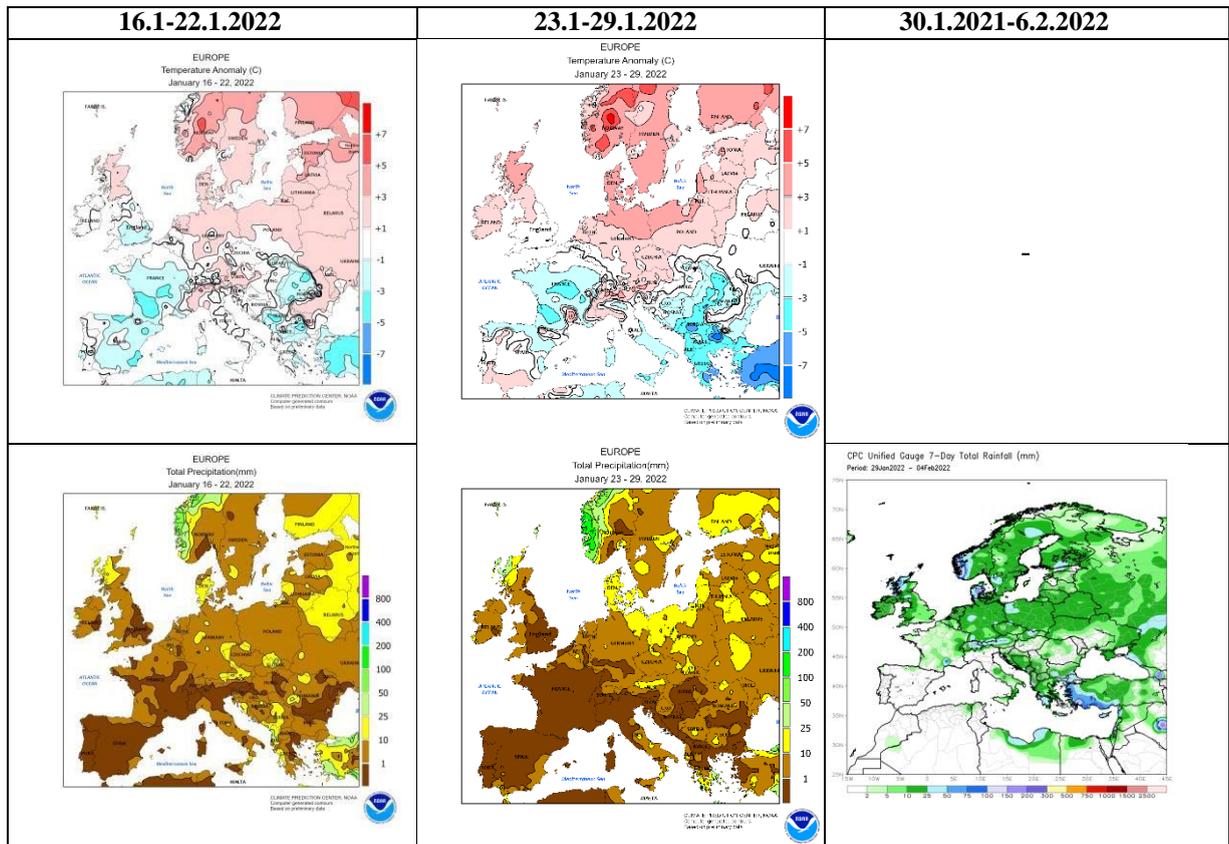
During the following three months (February, March and April), seasonal forecast predicts above normal seasonal air temperature in Ukraine, some parts of the Balkans, eastern Turkey and central South Caucasus. Precipitation surplus is expected in the Carpathian Mountains, northeastern Turkey and South Caucasus. Precipitation deficit is predicted for the parts of western, eastern and southern Balkans, Cyprus, western and southern Turkey, as well as Middle East.

## **Update**

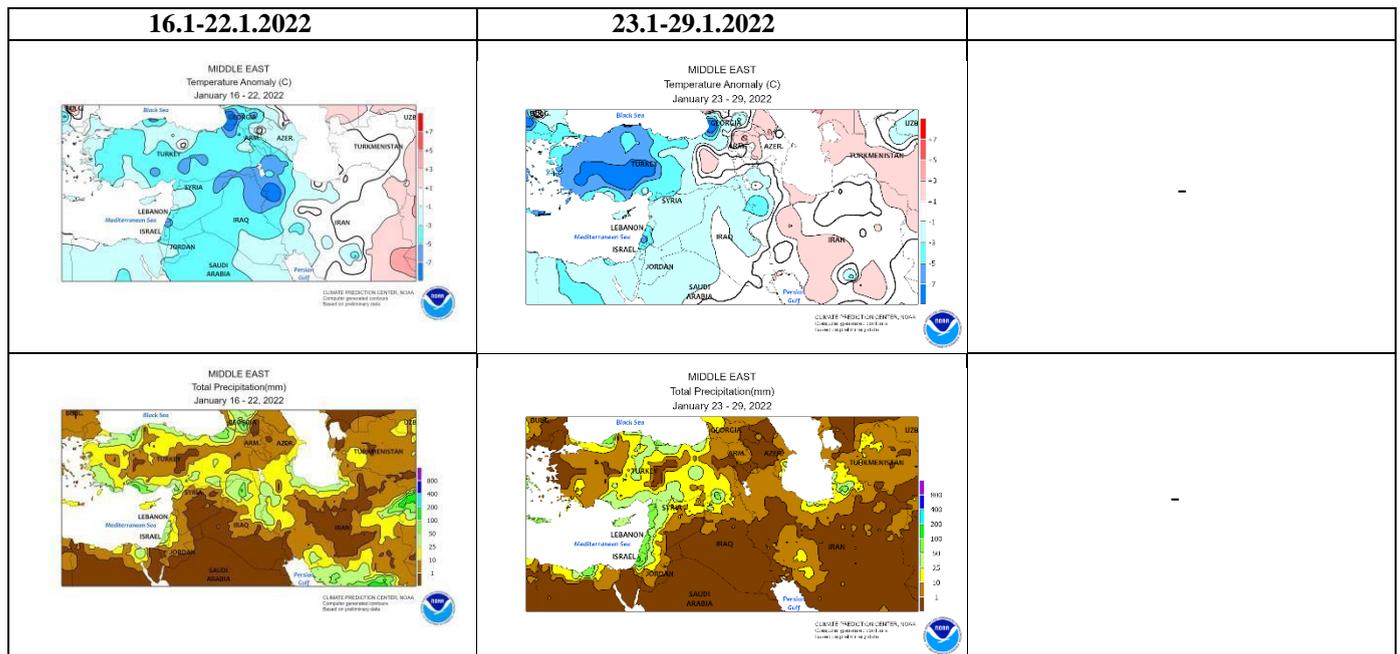
An updated statement will be issued on 14-2-2022

For further information please contact [cws-seevccc@hidmet.gov.rs](mailto:cws-seevccc@hidmet.gov.rs)

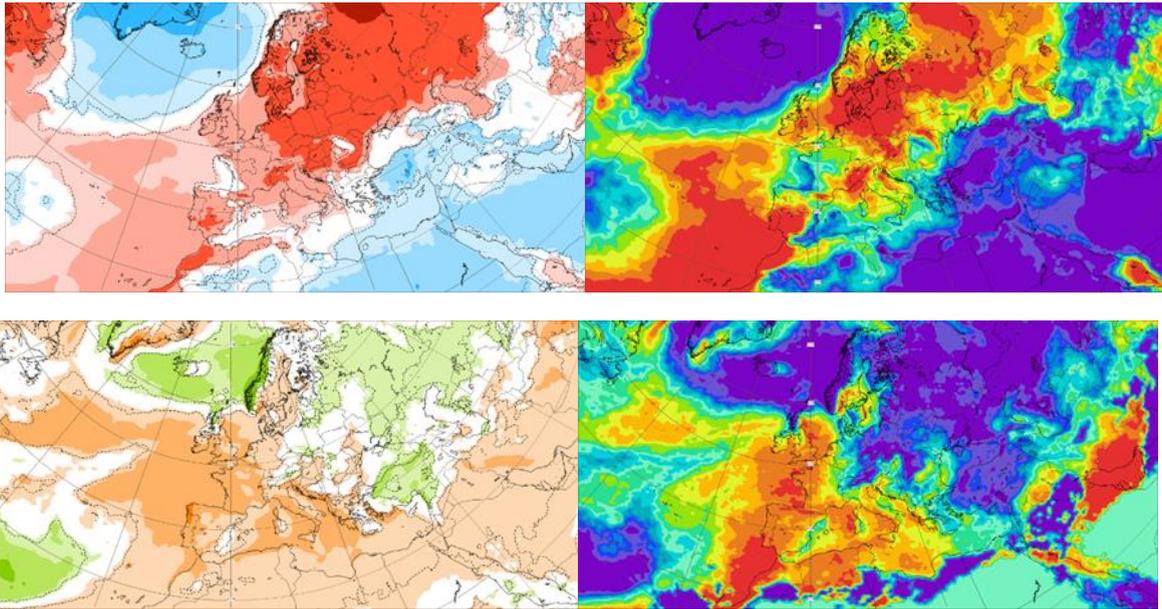
**ANNEX**



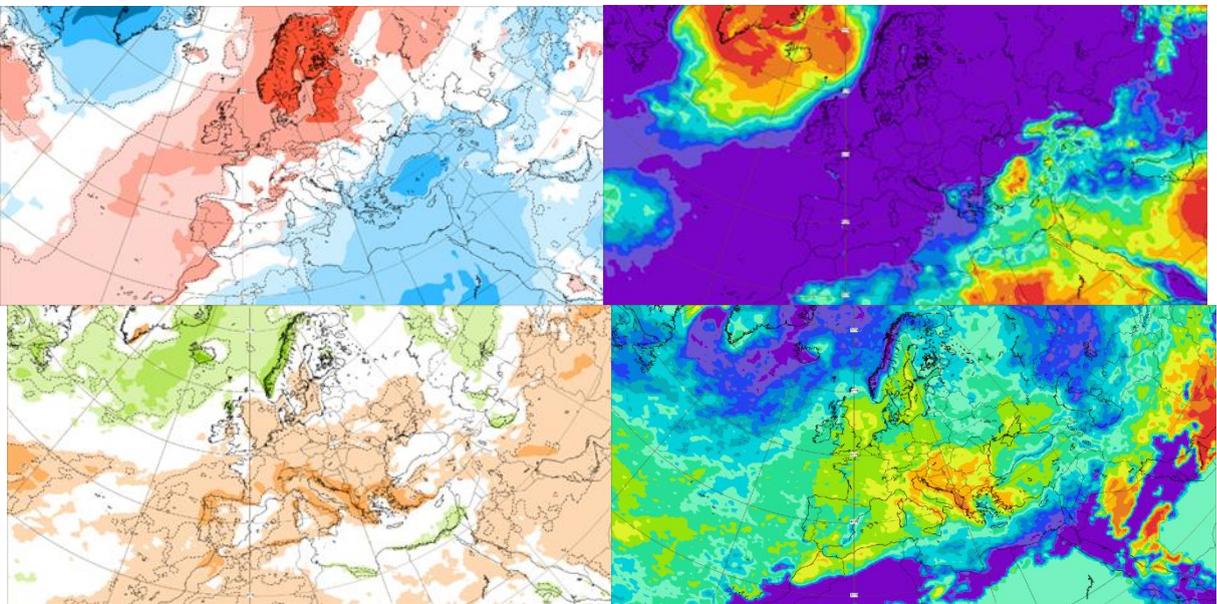
**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



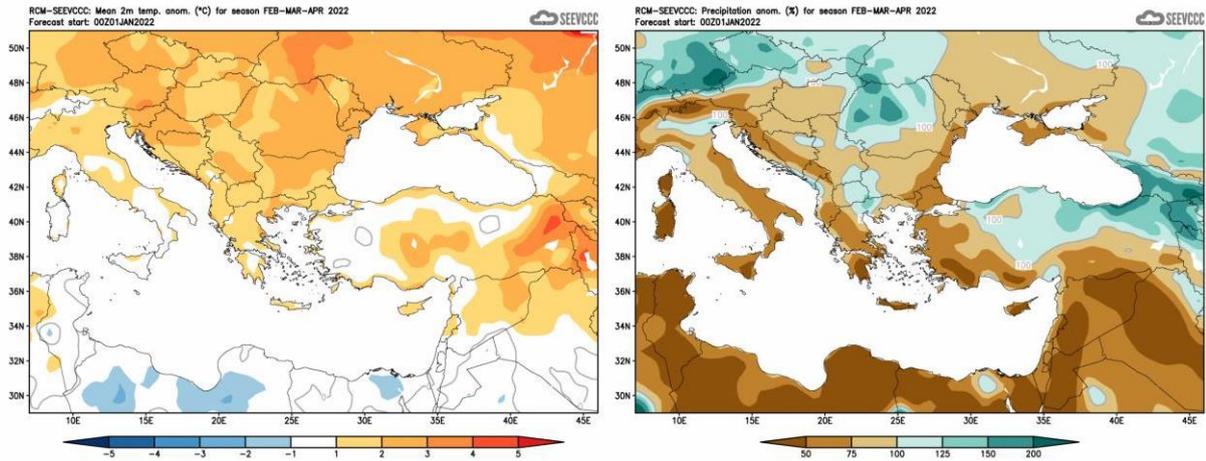
**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



**Figure 3.** Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 7.2-12.2.2022 period



**Figure 4.** Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 13.2-21.2.2022 period



**Figure 6.** Mean seasonal temperature and precipitation anomaly for the season FMA (seasonal outlook from RCM – SEEVCCC)

### Sources

- Republic Hydrometeorological Service of Serbia ([www.hidmet.gov.rs](http://www.hidmet.gov.rs))
- South East European Virtual Climate Change Center ([www.seevccc.rs](http://www.seevccc.rs))
- European Center for Medium-range Weather Forecasts (<http://www.ecmwf.int/>)
- Climate Prediction Center USA (<http://www.cpc.ncep.noaa.gov/>)
- Deutscher Wetterdienst (<http://www.dwd.de/>)